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## INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

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(21) International Application Number: <b>PCT/DK97/00046</b> (22) International Filing Date: <b>6 February 1997 (06.02.97)</b>  (30) Priority Data: <b>9600051</b> <b>9 February 1996 (09.02.96)</b> <b>DK</b>		(81) Designated States: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, HU, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ARIPO patent (KE, LS, MW, SD, SZ, UG), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG).	
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(54) Title: AN APPARATUS FOR STRETCHING THE PENIS			
(57) Abstract			
<p>An apparatus for generating an elongation of the penis. The apparatus comprises a support body (2) having an abutment face adapted to abut the body in the area around the penis root and provided with an opening (2a) for insertion of the penis (3). One or several longitudinally adjustable connecting rods (4) are secured to the support body in one end and provided with a holding member in the other end to retain the penis. The holding member is formed of a hose-shaped, flexible and substantially inextensible body (5) which can be passed around the penis (3) immediately below the penis head (3a).</p>			

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Title: An apparatus for stretching the penisTechnical Field

The invention relates to an apparatus for generating an elongation of the male penis comprising a support body adapted to abut the body in the area around the penis root  
5 and having an opening for insertion of the penis, one or more longitudinally adjustable connecting rods which can be secured to the support body in one end and provided with a holding member in the other end to retain the penis.

Background Art

Some men feel that the length of their penis is insufficient. It is possible to elongate  
10 the penis by means of various methods. Derwent abstract No. 94-125497/15 and SU 1793909A3 both disclose a penis elongating apparatus comprising a plate, whereon two longitudinally adjustable rods are arranged. These rods are hinged to a plate in one end and rotatably secured in the other end to a holder, in which the penis head can be retained. The length of the rods is adjusted by means of an intermediate section.

15 A corresponding penis elongating apparatus is known from international publication WO 96/26691. This publication discloses a construction in which the connecting parts communicate with a guide plate, to which a strap of an elastic material is secured, said strap adapted to be passed around the penis head.

20 One drawback of these known methods is that the person has to use the particular apparatus for a long time - often several hours each day in order to achieve the desired result.

Brief Description of the Invention

The object of the invention is to provide an apparatus for stretching the penis and which only needs to be worn for short periods of time at a time.

According to the invention an apparatus of the above type is characterised in that the holding member is formed of a hose-shaped, flexible and substantially inextensible body which may be passed around the penis immediately below the penis head. As a result, the penis is subjected to a considerably heavier traction. An inextensible, 5 hose-shaped body ensures that a tractive force of 20-250 Newton can be applied without the penis head sliding out of the hose-shaped body. This produces a reduction in the time of daily use of the apparatus in order to achieve the intended tissue division and thus eliminates the risk of physical adverse effects such a gangrene.

In a preferred embodiment the longitudinally adjustable rod can be fixed in a position 10 forming an angle of substantially 90° relative to the abutment face of the support body. An optimum traction at a minimum of discomfort is thus obtained, as the edge of the opening in the support body does not tend to chafe the penis. At the same time a traction in an optimum direction is obtained.

In a further preferred embodiment the hose-shaped body has such a strength that it can 15 be subjected to a tractive force of about 20-250 Newton without being deformed in the longitudinal direction. Thus, the penis can be subjected to such a heavy tractive force that the intended elongation of the penis is obtained, even when the apparatus is only used daily for a couple of minutes.

In yet another preferred embodiment the hose-shaped body comprises a reinforced 20 elastomer such as silicone having an inner reinforcement of one or several polyester or metal wires. As a result a flexible and at the same time inextensible body is obtained having a surface with large friction such that the penis can be subjected to a heavy traction without sliding out of the apparatus.

In a further embodiment the apparatus comprises two longitudinally adjustable connecting rods interconnected by means of a guide plate extending substantially completely 25 to the plate-shaped body. The penis may thus abut the guide plate essentially in its entire length, whereby an increased control of the traction as well as an increased comfort for the user are obtained.

Brief Description of the Drawings.

The invention will be explained in detail below by means of preferred embodiment illustrated on the drawings, in which

Fig. 1 is a side view of a stretching apparatus according to the invention;

5 Fig. 2 is a side and cross-sectional view of a connecting rod;

Fig. 3 is a top view of a retaining means which can be mounted on the connecting rod shown in Fig. 2 and retain a holding member;

Fig. 4 is a top view of a guide member for arrangement on the connecting rod and through which the holding member can be passed;

10 Fig. 5 is side and cross-sectional view of a support body through which the penis can be inserted and on which the connecting rod can be secured.

Fig. 6 is a top view of the support body shown in Fig. 5 and

Fig. 7 is front view of another embodiment of the apparatus according to the invention.

Best Mode for Carrying Out the Invention

15 Fig. 1 illustrates a stretching apparatus 1 according to the invention for generating an elongation of the penis. The apparatus 1 comprises a plate-shaped support body 2, a connecting rod 4, a holding member 5, a retaining means 6 and a guide member 7. During use of the apparatus, the penis is inserted through the support body 2. The connecting rod 4 is mounted substantially perpendicular to the support body 2. A  
20 retaining means 6 is mounted on the uppermost end of the connecting rod 4. The retaining means 6 retains the hose-shaped holding member 5 secured around the penis 3 as a loop immediately below the penis head 3a. A guide member 7 is arranged on the connecting rod 4 below the retaining means 6. The guide member 7 serves to keep

the two end parts of the holding member 5 together immediately above the penis head 3a in order to obtain a suitably sized loop such that the penis head 3a cannot slide out of the loop even at heavy tractive forces. A spring (not shown in Fig. 1) provides a force directed upwards on an upper rod portion 10 to which the retaining means 6 is secured. This force is transferred to the holding member 5 resulting in a traction of the penis.

Fig. 2 illustrates a vertical cross-section through the connecting rod 4 comprising a lower rod part 8, the lower end of which (not shown) being of a square cross-section which can be made to engage a corresponding hole in the plate-shaped body 2 shown in Figs. 5 and 6. The lower rod part 8 replaceable by a corresponding rod part of a different length is provided with an external thread 8a at its uppermost end. The external thread 8a is screwed into an internal thread 11a in an outer rod part 11. In its upper end the outer rod part 11 is provided with a hole 11b housing a coil spring 12 and the lowermost end of an upper rod part 10 such that said rod part 10 may rotate in relation to the outer rod part 11. The upper rod part 10 is provided with a thickened part 10b in its lowermost end. A sleeve 9 is mounted on the upper end of the outer rod part 11 as an end.

The sleeve 9 is provided with a hole 9a through which the upper rod part 10 is passed. The hole 9a is of a diameter less than the diameter of the hole 11b and more than the diameter of the thickened part 10b. It is thus ensured that the upper rod part does not slide out of the outer rod part 11 when the apparatus is not being used. The upper rod part 10 is provided with an external thread 10a in its uppermost end. The external thread 10a engages an internal thread in the retaining means 6. The retaining means 6 retains the hose-shaped holding member 5 by means of an elastic force provided by a compression spring 6b. This will be described further below. A guide member 7 is rotatably arranged on the outer rod part 11 immediately below the sleeve 9. The guide member 7 comprises through-going holes 7a for the holding member 5. The guide member 7 is retained in the longitudinal direction of the outer rod part 11, the latter having a horizontal abutment face immediately below the guide member 7 and the sleeve 9 secured to the outer rod part 11 by means of shrinking, interference fit or gluing forming an upper abutment for the guide member 7.

The longitudinally adjustable connecting rod 4 is adjusted by rotating the outer rod part 11 in relation to the lower rod part 8; the guide member 7; the upper rod part 10 and the retaining means 6. The three last mentioned parts are prevented from rotating by the holding member 5 firmly secured around the penis. The coil spring 12 is compressed by rotating the outer rod part 11, whereby a suitable traction of the penis can be adjusted.

Fig. 3 is a top view of the retaining means 6. The retaining means 6 comprises an inner transverse plate 6a subjected to a compressive force from the above compression spring 6b, said force directed to the left on the drawing. The transverse plate 6a is provided with two holes arranged opposite the two holes 6c in the retaining means. The holding member 5 is formed of a hose-shaped body, the two ends of which being passed through the holes in the retaining means 6. The compression spring 6b attempts to press the transverse plate 6a to the left, whereby a compressive effect and thus a retainment of the end parts of the hose-shaped body 5 is obtained. By pressing the transverse plate 6a to the right by means of the finger, the compressive force of the spring 6b is counteracted, thus enabling a movement of the hose-shaped body 5 through the holes to obtain the intended tightening of the holding member.

Fig. 4 is a top view of the guide member 7. The guide member 7 comprises a through-going hole 7b of a slightly larger diameter than that of the upper end of the outer rod part 11. Furthermore the guide member comprises two through-going holes 7a of a slightly larger diameter than that of the hose-shaped body 5. The guide members serve to join the two ends of the holding member 5 proximally on the penis, whereby a loop is provided abutting such a large part of the penis circumference that the penis does not slide out of the loop even when subjected to heavy tractive forces.

Fig. 5 is a side elevational, cross-sectional view of the plate-shaped support body in reduced scale. The plate-shaped body 2 comprises a square recess 2b which can receive a matching pin on the lower end of the lower rod part 8. Moreover the plate-shaped body 2 is provided with a through-going hole 2a through which the penis can be passed. As illustrated in the drawing the edge of the through-going hole 2a is rounded. As a result no sharp edges chafe the penis.

Fig. 6 is a top view of the plate-shaped support body 2. As apparent on the drawing the through-going hole 2a has a profile substantially made up of two circles of differing diameters. A hole cross-section is thus obtained preventing an uncomfortable pressure to the urethra placed to the right in the hole when the apparatus is worn.

- 5 The support body has a comparatively large abutment face 2c abutting the body of the user in the area around the penis root. As a result the tractive force is applied to the penis at an angle of 90° relative to the body.

Fig. 7 illustrates a further embodiment of the apparatus according to the invention. In this embodiment the apparatus comprises two longitudinally adjustable connecting rods 10 4 and a guide plate 13 acting as a base for the penis (not shown) in essentially the entire length thereof. The guide plate 13 is fixedly connected with the two connecting rods (for instance by means of threaded connections) and further provided with a through-going, oblong hole 13a. The two ends of the holding member 5 (not shown) can be passed through the hole 13a and retained by means of a retaining means (not 15 known) eg acting in the same manner as the means described above.

The apparatus is mainly used while the user is lying on his back, as the apparatus projects essentially perpendicular to the body when being used. However this is not of great discomfort to the user, since the apparatus only has to be used daily for a few minutes.

- 20 The parts forming part of the apparatus according to the invention may advantageously be manufactured by injection moulding with the exception of the springs preferably made of metal and the hose-shaped body preferably made of silicone and provided with an inner polyester or metal core.

The invention is not restricted to the above embodiment.

Claims

1. An apparatus for generating an elongation of the penis (3) comprising a support body (2) having an abutment face (2d) adapted to abut the body in the area around the penis root and provided with an opening (2a) for insertion of the penis (3), one or 5 several longitudinally adjustable connecting rods (4) securable to the support body (2) in one end and provided with a holding member (5) in the other end to retain the penis,  
characterised in that the holding member (5) is formed of a hose-shaped, flexible and substantially inextensible body (5) which can be passed around penis (3) immediately below the penis head (3a).
- 10 2. An apparatus as claimed in claim 1, characterised in that the longitudinally adjustable connecting rod(s) (4) can be secured to the support body in a position forming an angle substantially of 90° to the abutment face of the support body (2).
- 15 3. An apparatus as claimed in claims 1 or 2, characterised in that the hose-shaped body (5) is of such a strength that it can be subjected to a tractive force of approximately 20 - 250 Newton.
- 20 4. An apparatus as claimed in one of more of the preceding claims, characterised in that the hose-shaped body (5) is formed of a reinforced elastomer such as silicone with an inner reinforcement of one or several polyester or metal wires (5a).
5. An apparatus as claimed in one or more of the preceding claims, characterised in that a guide plate (13) is provided against which the penis may abut substantially in its entire length and that the hose-shaped holding member is passed through one or several holes (13a) in the guide plate (13).

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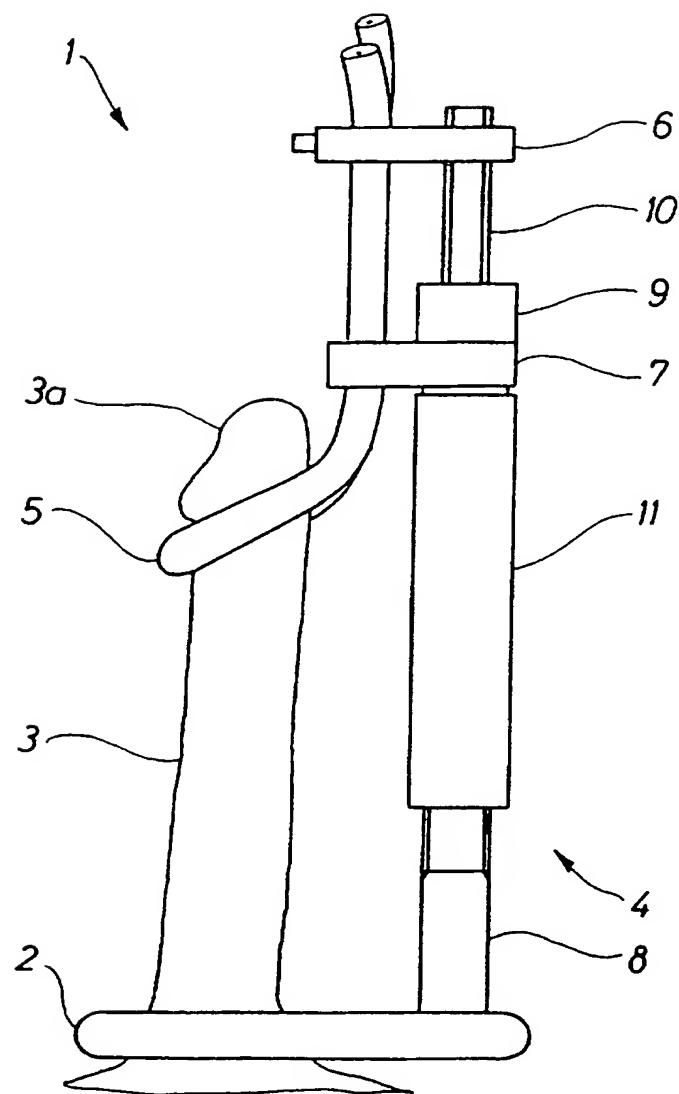
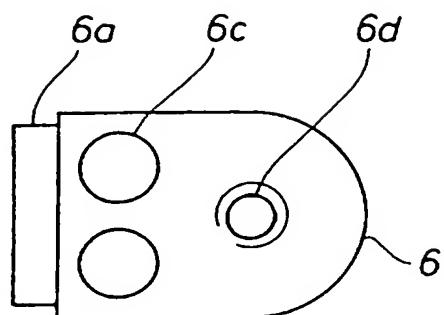
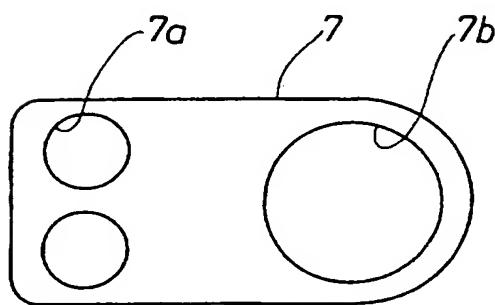
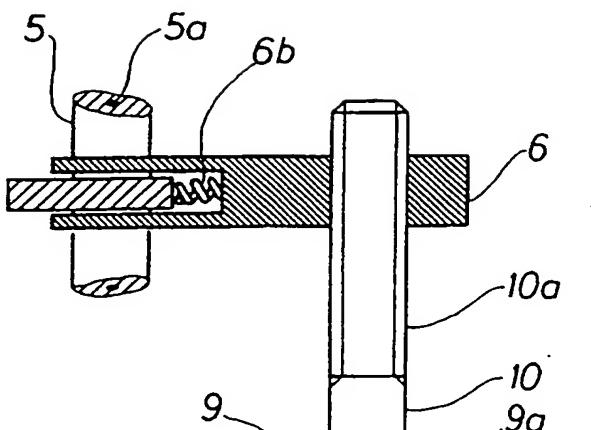
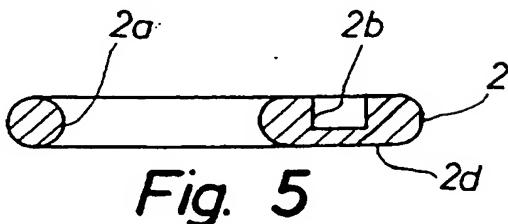
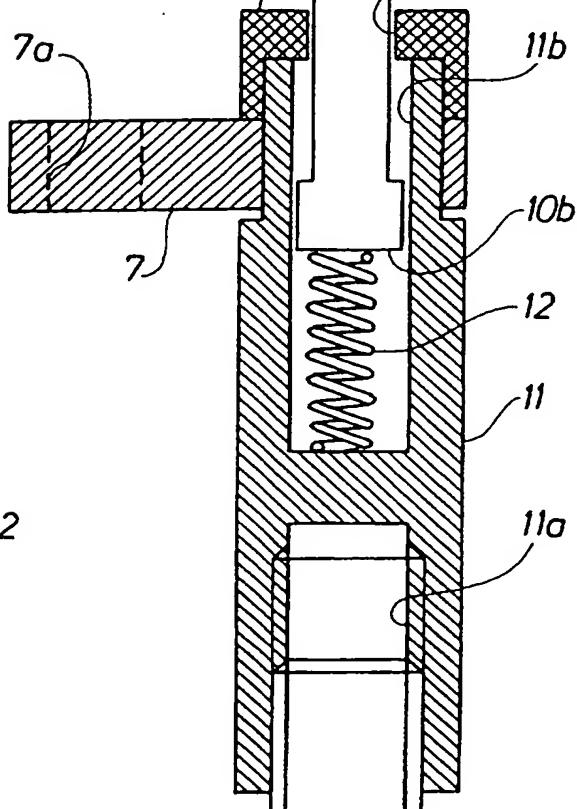
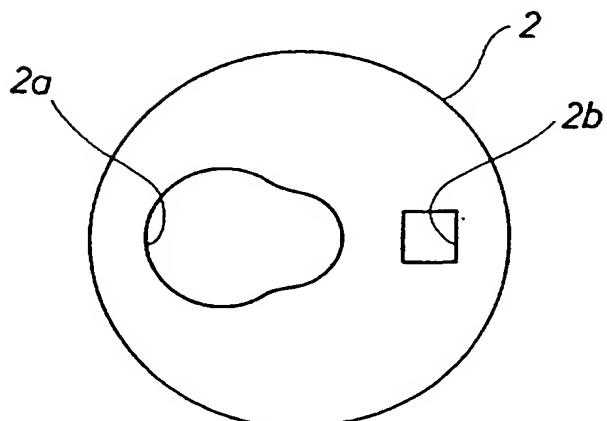


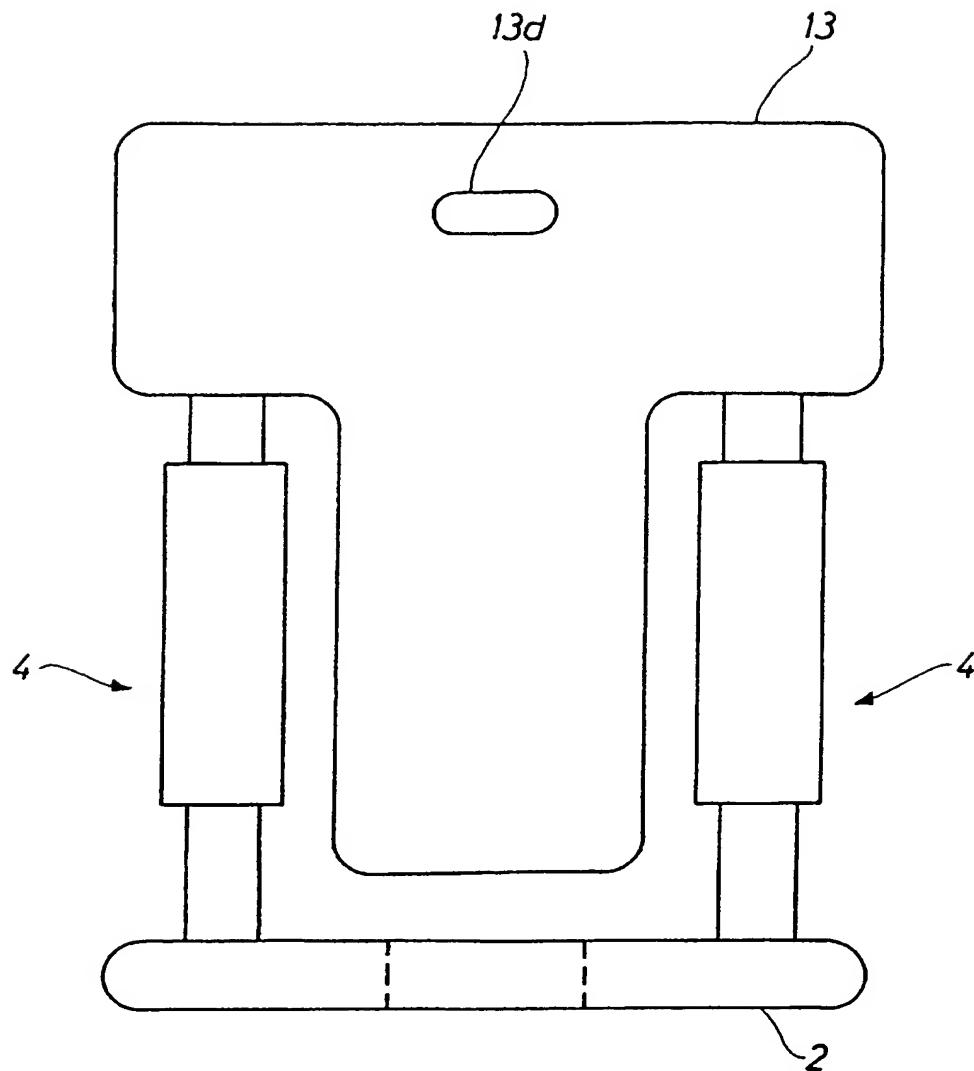
Fig. 1

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*Fig. 3**Fig. 4**Fig. 5**Fig. 6**Fig. 2*

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*Fig. 7*

## INTERNATIONAL SEARCH REPORT

International application No.

PCT/DK 97/00046

## A. CLASSIFICATION OF SUBJECT MATTER

IPC6: A61F 5/048, A61F 5/41

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC6: A61F

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

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## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	Derwent's abstract, No 94-125497/15, week 9415, ABSTRACT OF SU, 1793909 (VOLOVIK I F), 7 February 1993 (07.02.93), abstract  --	1,3,5
X	US 4449521 A (J.S. PANZER), 22 May 1984 (22.05.84), column 3, line 7 - line 54, figures 1-4  --	1-2,4
A	EP 370932 A1 (JOST, DIDIER ET AL.), 30 May 1990 (30.05.90), figure 1, abstract  --	1-2
A	DE 166168 C (CHARLES HARRIS EMERSON), 29 March 1904 (29.03.04)  --	1-2

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Date of the actual completion of the international search

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International application No. PCT/DK 97/00046
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## C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 853410 A (E.D. HUEBNER), 15 May 1907 (15.05.07), figures 1-3  --	1
A	US 1013924 A (ALBERT BITTERLICH), 9 January 1912 (09.01.12), figure 1  -----	1

**INTERNATIONAL SEARCH REPORT**

Information on patent family members

03/06/97

International application No.

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Patent document cited in search report	Publication date	Patent family member(s)		Publication date
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EP 370932 A1	30/05/90	NONE		
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US 853410 A	15/05/07	NONE		
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